

XP-002079253

P-5

- 1/1 - (C) WPI / DERWENT  
AN - 96-230415 ç35!  
AP - W095CN00083 951025; ZA950008979 951024 ; TW960100605  
960119 EP950935326 951025; W095CN00083 951025; çBased  
on W09612560 ! CN940117514 941025 BR950009439 951025;  
W095CN00083 951025; çBased on W09612560 ! US950546710  
951023  
PR - CN940117514 941025  
TI - Ion exchange resin, used to prepare bisphenol=A -  
comprises styrene-divinylbenzene copolymer and has  
high activity and selectivity  
IW - ION EXCHANGE RESIN PREPARATION BISPHENOL-A COMPRISE  
POLYSTYRENE DI VINYL BENZENE COPOLYMER HIGH ACTIVE SELECT  
IN - JIANG H; JIN Z; TAN N; HE B; LIU Z; TAN Q; BINGJUN H;  
HONGSHOU J; QUI T; ZONGZHANG L; ZUQUAN J  
PA - (CHPE-N) CHINA PETROCHEMICAL CORP  
- (CHPE-N) CHINA PETRO CHEM CORP  
- (UYTI-N) UNIV TIANJIN  
- (CHPE-N) CHINA PETROCHEMICAL TECHNOLOGY CO  
- (CHPE-N) CHINA PETRO-CHEM CORP  
PN - W09612560 A1 960502 DW9623 B01J31/10 Chn 021pp  
- ZA9508979 A 960731 DW9635 B01J0/00 023pp  
- TW292980 A 961211 DW9714 B01J37/30 000pp  
- EP0788839 A1 970813 DW9737 B01J31/10 Eng 011pp  
- CN1121442 A 960501 DW9745 B01J31/10 000pp  
- BR9509439 A 971223 DW9806 B01J31/10 000pp  
- US5759942 A 980602 DW9829 B01J31/10 000pp  
ORD - 1996-05-01  
IC - B01J0/00 ; B01J31/10 ; B01J37/30 ; C07C39/16  
FS - CPI  
DC - A13 A41 A97 E14 J04  
DS - AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE  
DN - BR CA JP KR RU  
CT - CN9210154; GB1183564; US3172916; US3326866  
AB - W09612560 An ion-exchange resin catalyst contg. a  
sulphonated styrene-divinylbenzene copolymer has the  
following properties: (1) exchange capacity is 2.8-5.5  
mg/g dry resin; (2) 10-30% of sulphonic gps. combines  
with 1-7C alkyl mercaptoamine via aminosulphate ions;  
and (3) the catalyst has a porous structure consisting  
of micro pores and transporting pore routes networks,  
where the transport pore routes have a major network  
and branch networks. The pore dia. of the major network  
is 9multiplied by10-3- 38multiplied by103 nm without  
swelling, the pore dia. in the branch networks is  
20-150 nm and the pore dia. in the micropore area is  
5-20 nm. The pores with a dia. of 5-10.4 mum in the  
micropore area is 50% or more w.r.t. the total vol. of  
the micropore area.  
- Also claimed is the prepn. of the catalyst comprising  
(1) preparing white resin particles by suspension  
polymerisation which comprises polymerising styrene and  
divinylbenzene in a wt. ratio of 75-95:25-5% in the  
presence of a pore creating agent, where the ratio of  
the monomers to the pore creating agent is 60-80:20-40%  
(wt.). The pore creating agent comprises refined  
paraffin and NY-200 solvent oil in a wt. ratio of